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Patent  
269/106

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: )  
Robert M. Abrams, et al. ) Group Art Unit: (not yet assigned)  
Serial No.: 10/038,730 ) Examiner: (not yet assigned)  
Filed: January 2, 2002 )  
For: LIQUID BASED VASO-OCCLUSIVE )  
COMPOSITIONS )

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") and on the attached form PTO/SB/08A (08-00) are brought to the attention of the Office. Copies of Cite Nos. 1-42 and 47-57 were submitted in parent application Serial No. 09/351,769 filed on July 12, 1999. Copies of Cite Nos. 43-46 are enclosed herewith.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

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CERTIFICATE OF MAILING  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231.

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April 2, 2002  
Date of Deposit

Russell Morissette

Name of Person Mailing Paper

Signature of Person Mailing Paper

**INFORMATION DISCLOSURE STATEMENT FILING PROVISION:**

This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d) or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

The fee due under 37 CFR § 1.17(p) is submitted herewith.

A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

**STATEMENT UNDER 37 CFR § 1.97(e):**

Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

**PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:**

- A check in the amount of \_\_\_\_\_ is enclosed for the above fee(s).
- Please charge \_\_\_\_\_ to Deposit Account No. **12-2475** for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Lyon & Lyon's Deposit Account No. **12-2475**.

Respectfully submitted,  
LYON & LYON LLP

Dated: April 2, 2002

By: Kristin H. Neuman  
Kristin H. Neuman, Esq.  
Reg. No. 35,530



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LYON & LYON LLP  
633 W. Fifth Street, Suite 4700  
Los Angeles, CA  
(914) 681-8851 x4603

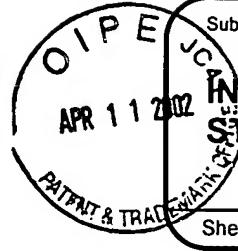
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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1 of 4

Complete if Known

Application Number	10/038,730
Filing Date	January 2, 2002
First Named Inventor	Robert M. Abrams, et al.
Group Art Unit	1632
Examiner Name	not yet known
Attorney Docket Number	269/106

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
1	3,701,771			Torsen et al	10-31-1972	
2	4,364,921			Speck et al	12-21-1982	
3	4,551,132			Pasztor et al	04-26-1988	
4	4,739,768			Engelson et al	04-26-1988	
5	4,795,741			Leshchiner et al	01-03-1989	
6	4,994,069			Ritchart et al	02-19-1991	
7	5,041,090			Sheulgrov et al	08-02-1991	
8	5,122,136			Guglielmi et al	06-16-1992	
9	5,202,352			Okada et al	04-13-1993	
10	5,234,437			Sepetka	08-10-1993	
11	5,250,071			Palermo	10-05-1993	
12	5,261,916			Engelson	11-16-1993	
13	5,304,195			Twyford et al	04-19-1994	
14	5,310,407			Casale	05-10-1994	
15	5,354,295			Guglielmi et al	10-11-1994	
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17	5,443,454			Tanabe et al	08-22-1995	
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19	5,537,338			Coelho	07-16-1996	
20	5,580,568			Greff et al	12-03-1996	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
47	WO	96/21427				07-18-1996		
48	WO	97/45131				10-04-1997		
49	WO	98/16265				04-23-1998		
50	WO	98/27962				07-02-1998		

Examiner Signature	Date Considered
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 4

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		Number	Kind Code <sup>2</sup> (if known)			
	21	5,614,204		Cochrum	03-25-1997	
	22	5,624,461		Mariant	04-29-1997	
	23	5,639,277		Mariant et al	06-17-1997	
	24	5,648,082		Sikes	07-15-1997	
	25	5,649,949		Wallace et al	07-22-1997	
	26	5,649,959		Hannam et al	07-22-1997	
	27	5,667,767		Greff et al	09-16-1997	
	28	5,669,931		Kupiecki et al	09-23-1997	
	29	5,690,666		Berenstein et al	11-25-1997	
	30	5,695,480		Evans et al	12-09-1997	
	31	5,702,361		Evans et al	12-30-1997	
	32	5,749,894		Engelson	05-12-1998	
	33	5,776,097		Massoud	07-07-1998	
	34	5,785,679		Abolfathi et al	07-28-1998	
	35	5,795,331		Cragg et al	08-18-1998	
	36	5,823,198		Jones et al	10-20-1998	
	37	5,826,587		Berenstein et al	10-27-1998	
	38	5,830,178		Jones et al	11-03-1998	
	39	5,851,508		Greff et al	12-22-1998	
	40	5,652,225		Isner	07-1997	

## FOREIGN PATENT DOCUMENTS

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Sheet 3 of 4

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Attorney Docket Number	269/106

Sheet **4**

of **4**

**EINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	51	Dondelinger et al., eds. "Interventional Radiology". Thieme Medical Publishers, Inc.: NY, 1990, pp. 295-313	
	52	Mandai et al. (October 1992). "Direct Thrombosis of aneurysms with cellulose acetate polymer: Part I: Results of thrombosis in experimental aneurysms", J. Neurosurg. 77: 497-500	
	53	Sugawara et al. (1993). "Experimental investigation concerning a new liquid embolization method: Combined administration of ethanol-estrogen and polyvinil acetate," Neurol. Med. Chir. (Tokyo) 33:71-76	
	54	Takahashi et al. "Nonsurgical treatment of AVM: Development of new liquid embolization method," in Advances in Surgery for Cerebral Stroke. Suzuki, J. ed., Tokyo, Japan: Springer-Verlag, 1988, pp. 215-224	
	55	Taki et al. (January/February 1990). "A New Liquid Material for Embolization of Arteriovenous Malformations," AJNR 11:163-168	
	56	Vinters et al. (1985). "The histotoxicity of cyanoacrylates: A selective review," Neuroradiol. 27:279-291	
	57	Shively, M. L. et al (1995) "Physico-Chemical Characterization of a Polymeric Injectable Implant Delivery System", J. Controlled Release 33:237-243	

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